

The diagram illustrates the structure of a 1 Frame (588 Channel Bits). The frame is divided into several sections:

- 1a**: SYNC (Synchronization) field, 24 bits long.
- 1b**: CODE WORD SEQUENCE, consisting of 12 symbols (each 4 bits long).
- 1c**: CODE WORD C (Code Word C), 14 bits long.
- 1d**: (12 SYMBOLS), 48 bits long.
- 1e**: (4 SYMBOLS), 16 bits long.
- 1f**: (12 SYMBOLS), 48 bits long.
- 1g**: (4 SYMBOLS), 16 bits long.
- 1h**: SYNC (Synchronization) field, 24 bits long.

The total length of the frame is 588 channel bits. Below the frame structure, the NRZI conversion (recording signal R) is shown as a sequence of bits: 10000100010001000010001. The recording signal R is shown as a series of pulses, with the width of each pulse corresponding to the bit value. The recording signal R is labeled as PIT (Pulse Interval Time) and LAND (Land Interval Time). The recording signal R is shown as a series of pulses, with the width of each pulse corresponding to the bit value. The recording signal R is labeled as PIT (Pulse Interval Time) and LAND (Land Interval Time). The recording signal R is shown as a series of pulses, with the width of each pulse corresponding to the bit value. The recording signal R is labeled as PIT (Pulse Interval Time) and LAND (Land Interval Time).

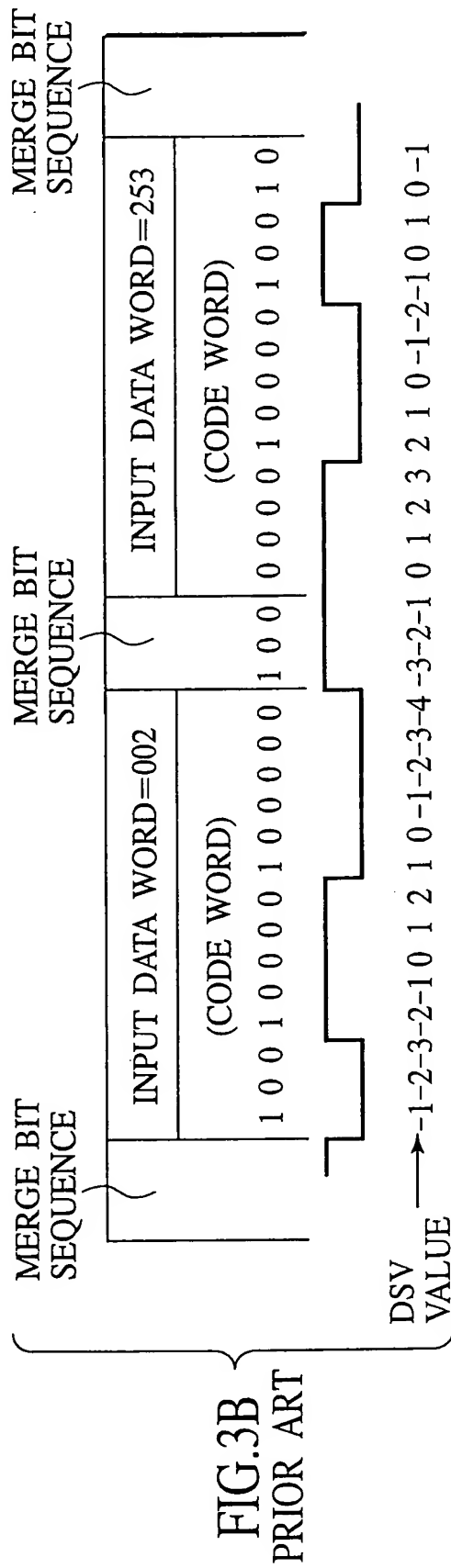
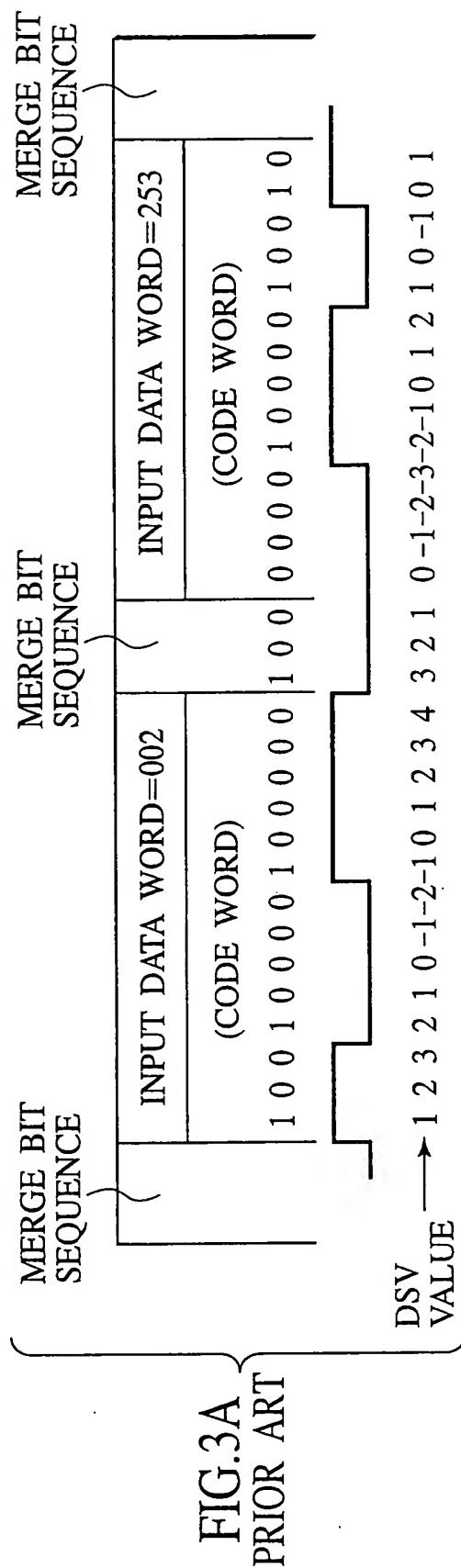
2/22

## FIG.2 PRIOR ART

CODING TABLE

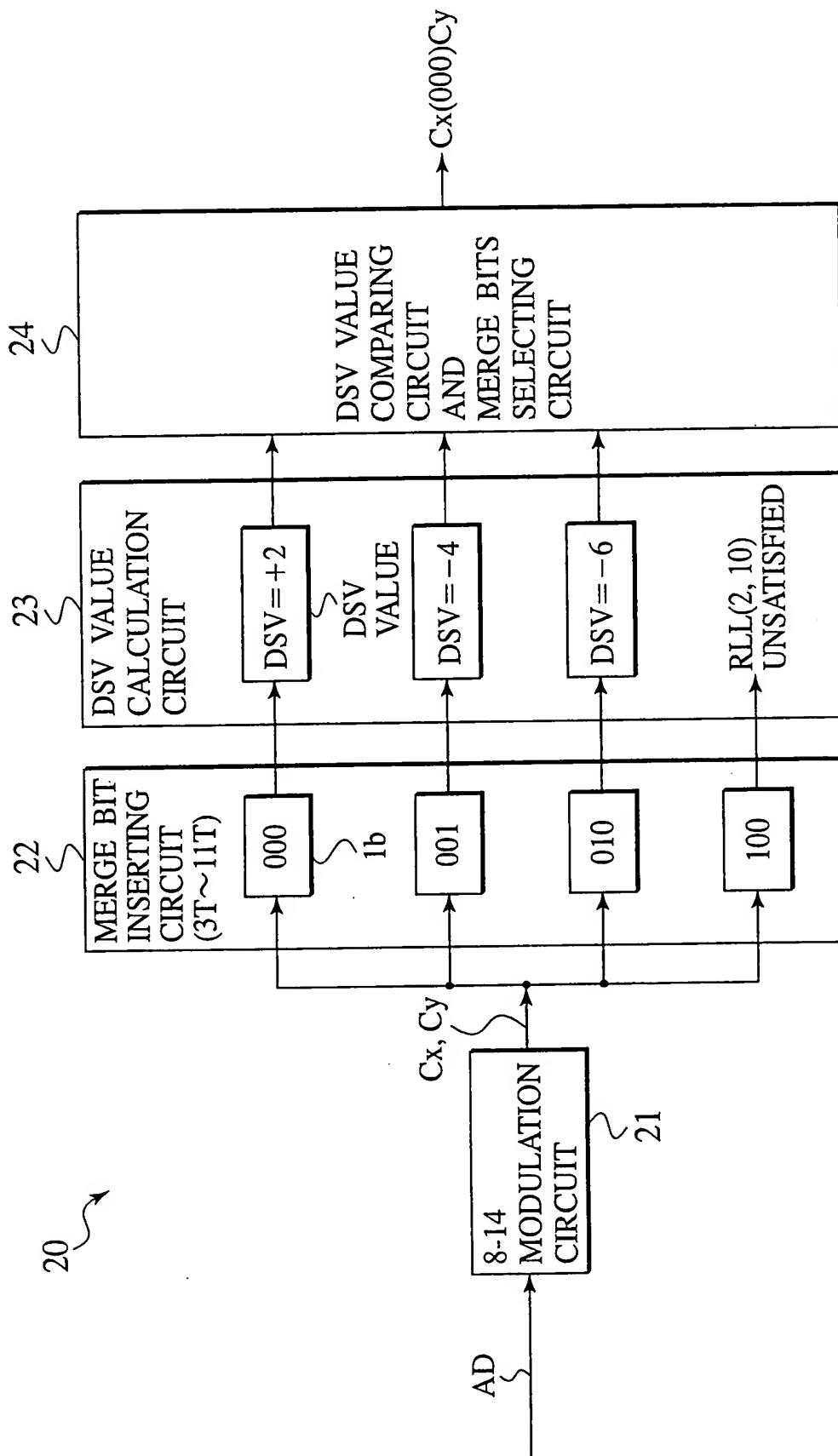
INPUT DATA WORD D	CODE WORD C
000	01001000100000
001	10000100000000
002	10010000100000
003	10001000100000
⋮	⋮
253	00001000010010
254	00010000010010
255	00100000010010

3/22

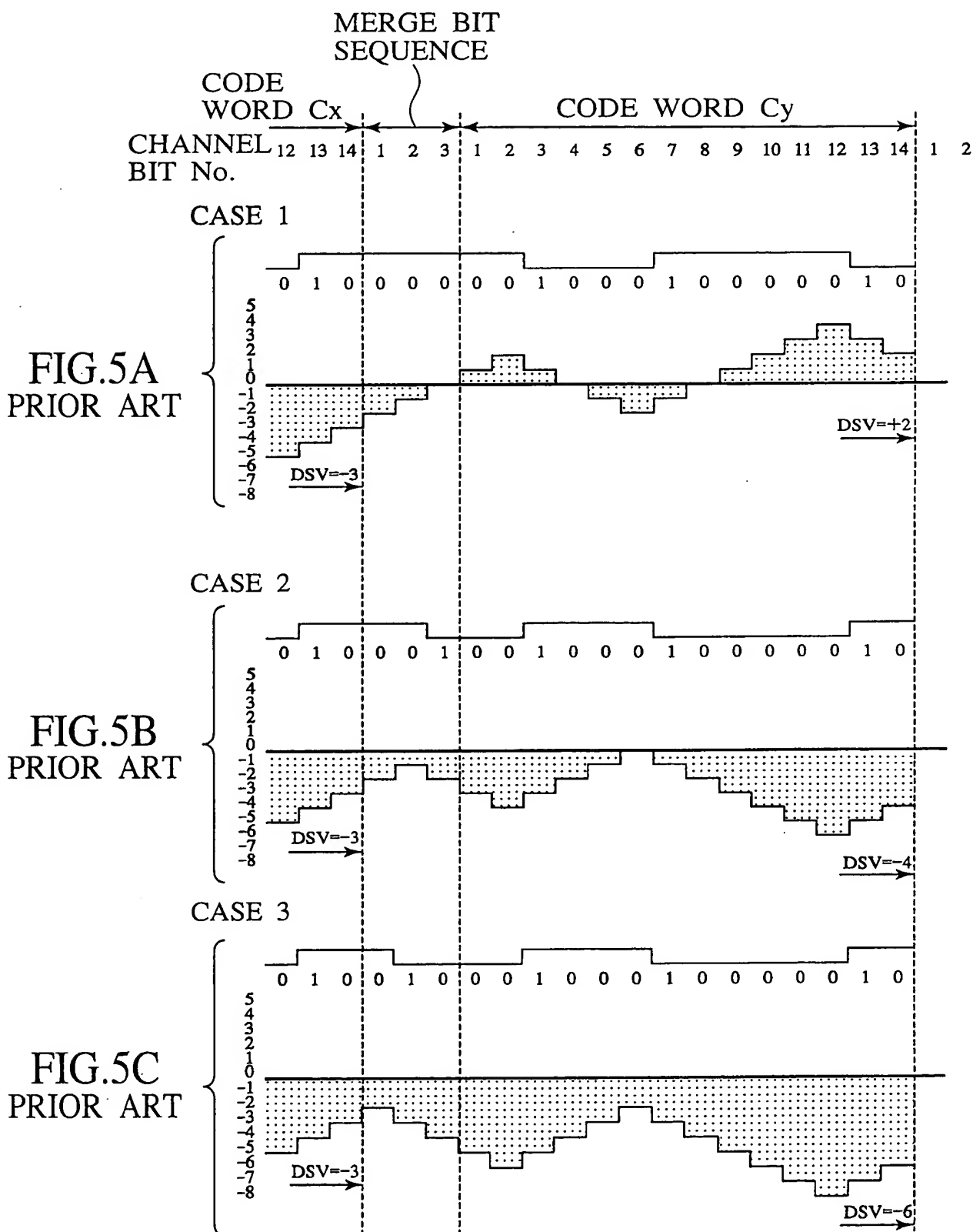


4/22

FIG. 4  
 PRIOR ART



5/22



6/22

FIG. 6  
PRIOR ART

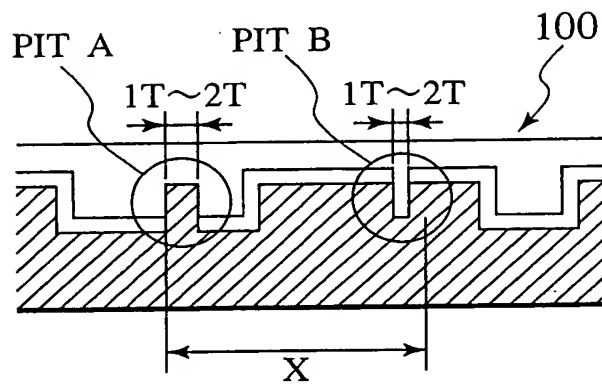
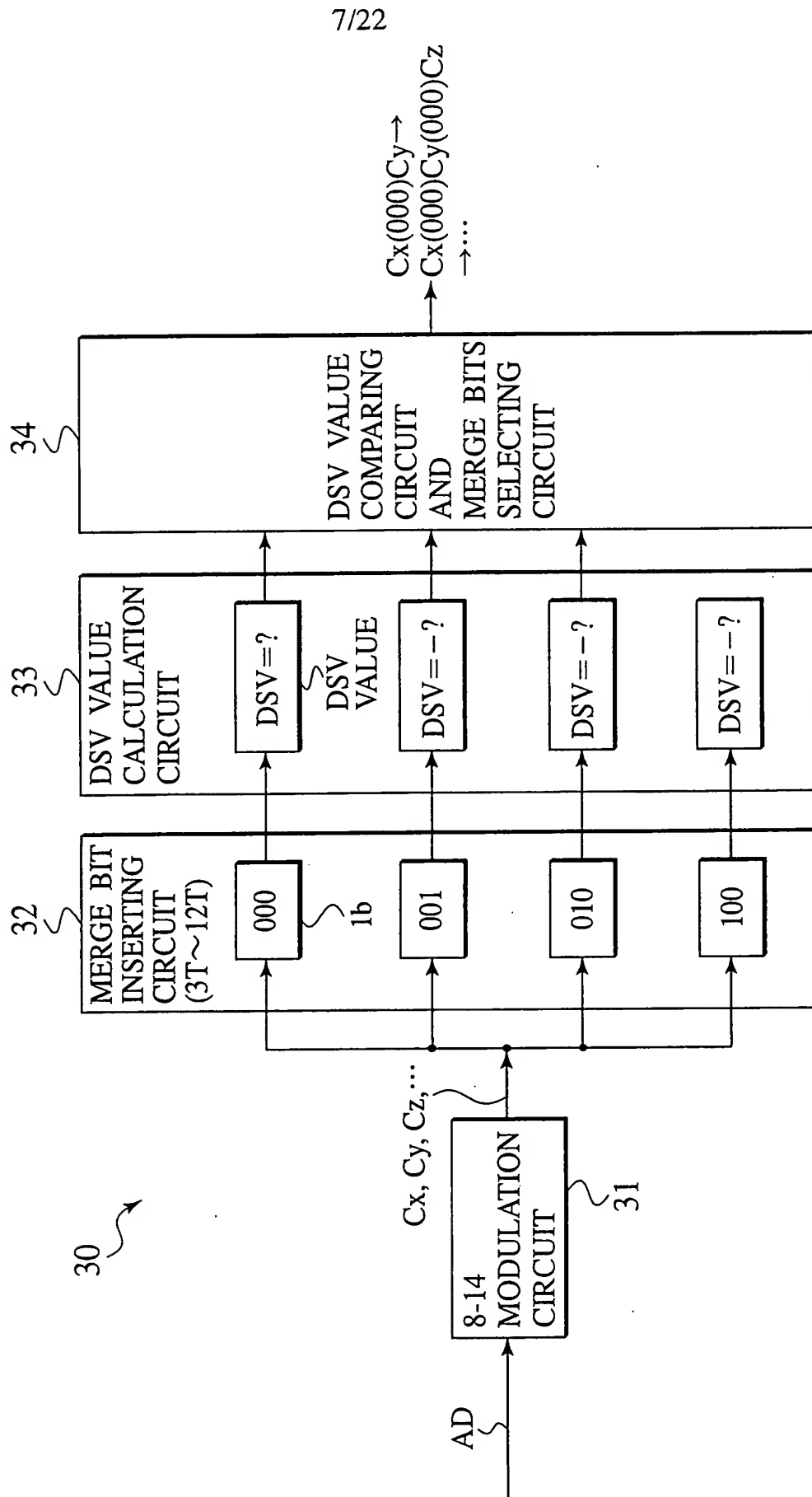
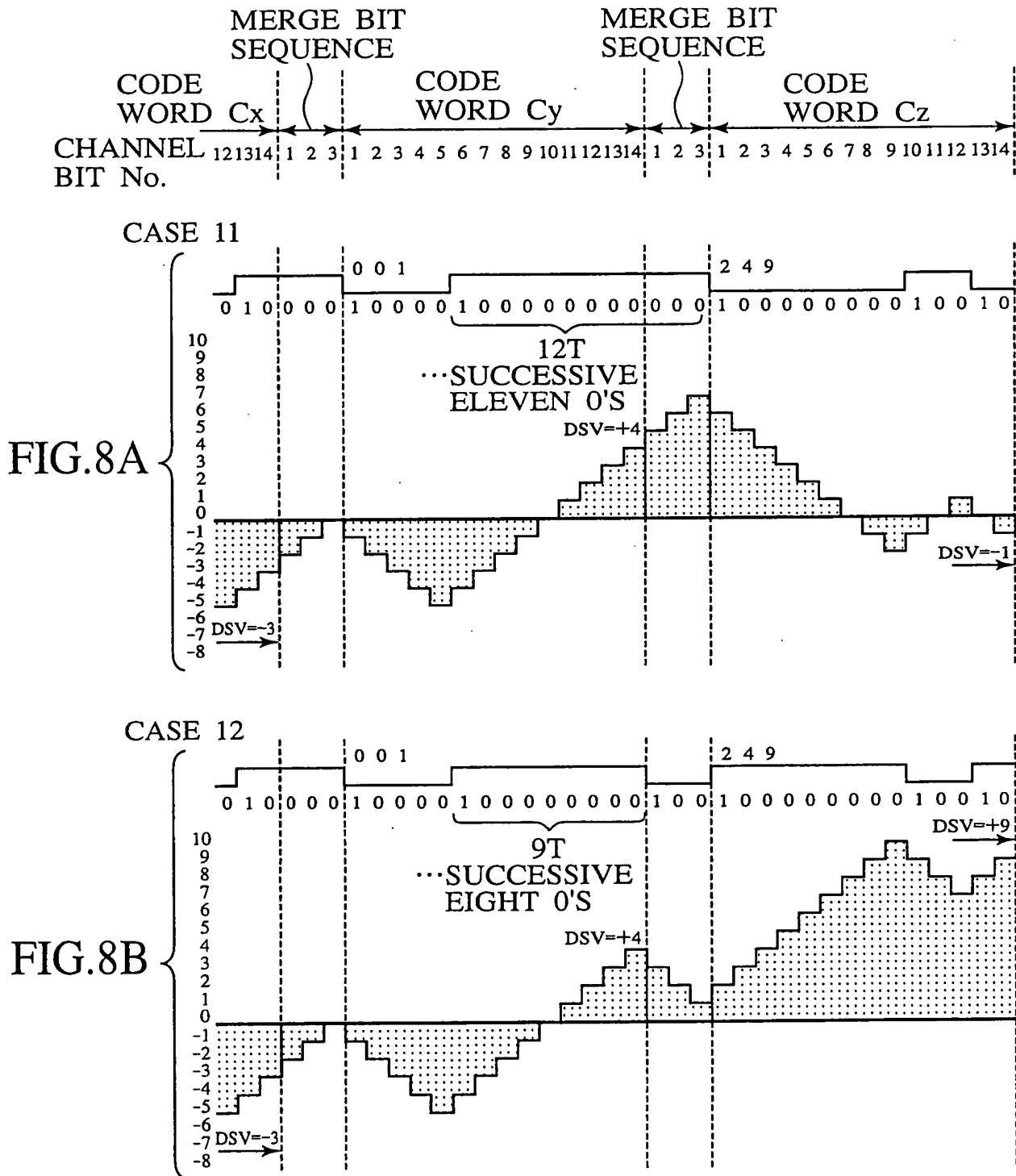


FIG. 7



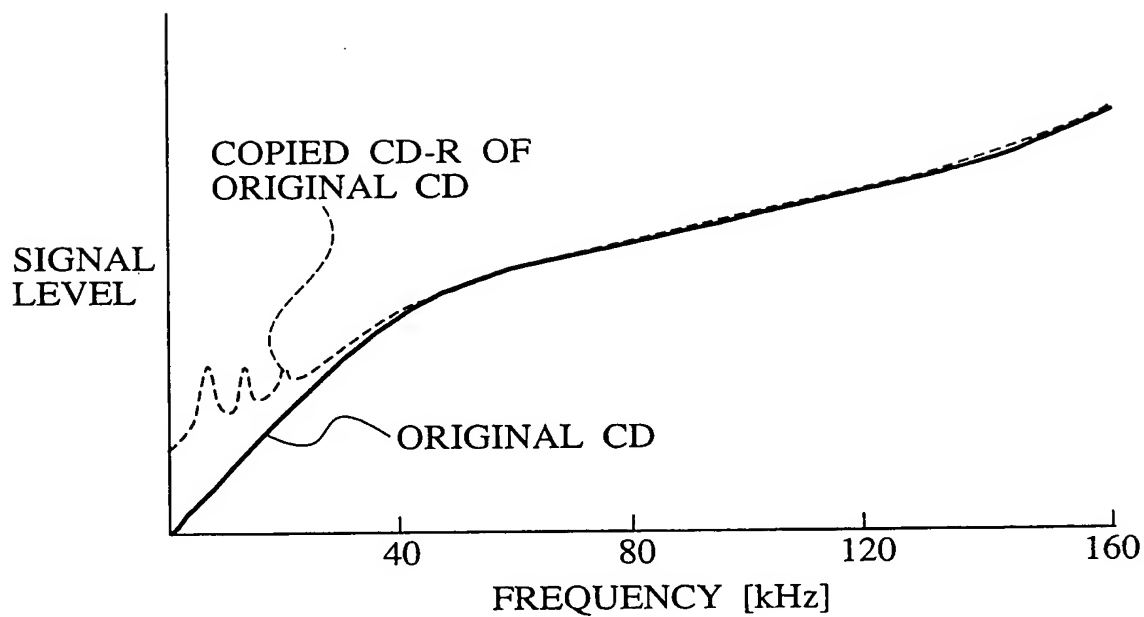
8/22





9/22

FIG.9



10/22

FIG.10A

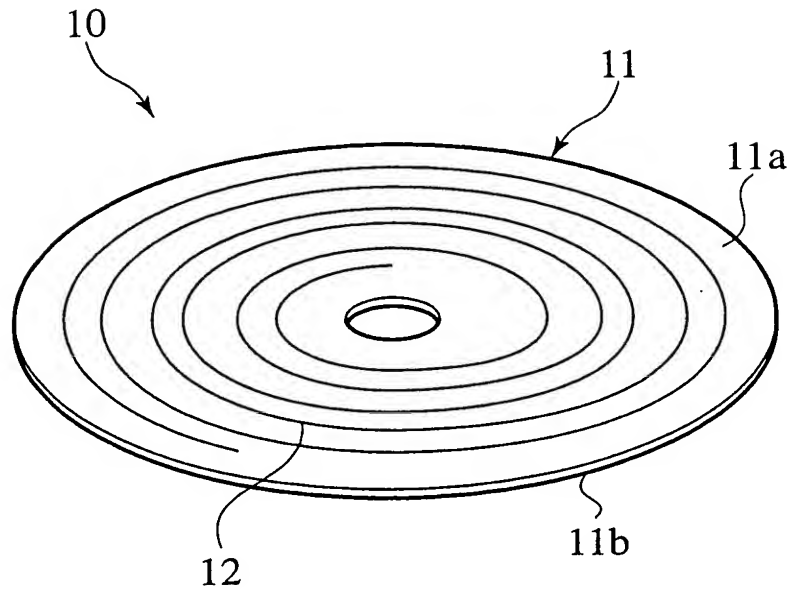
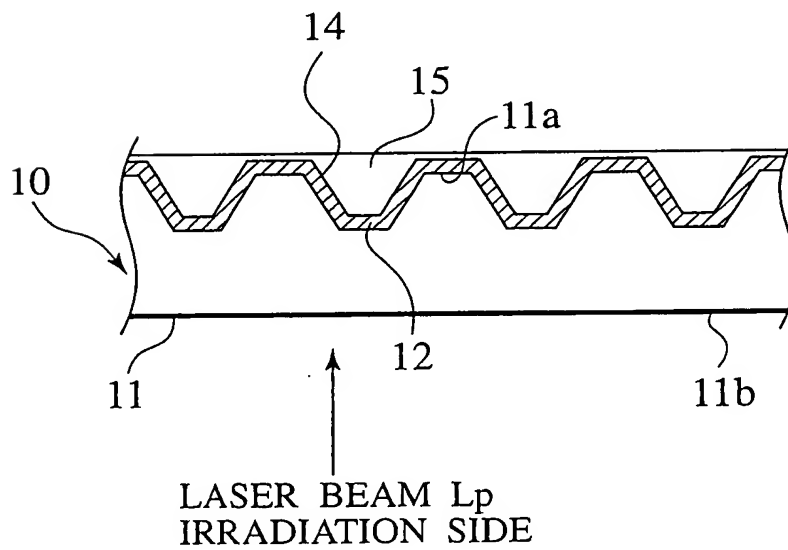


FIG.10B



11/22

FIG.11A

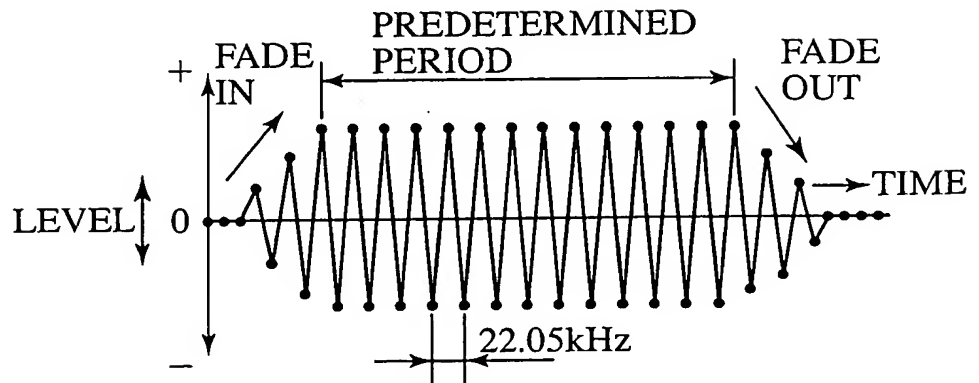


FIG.11B

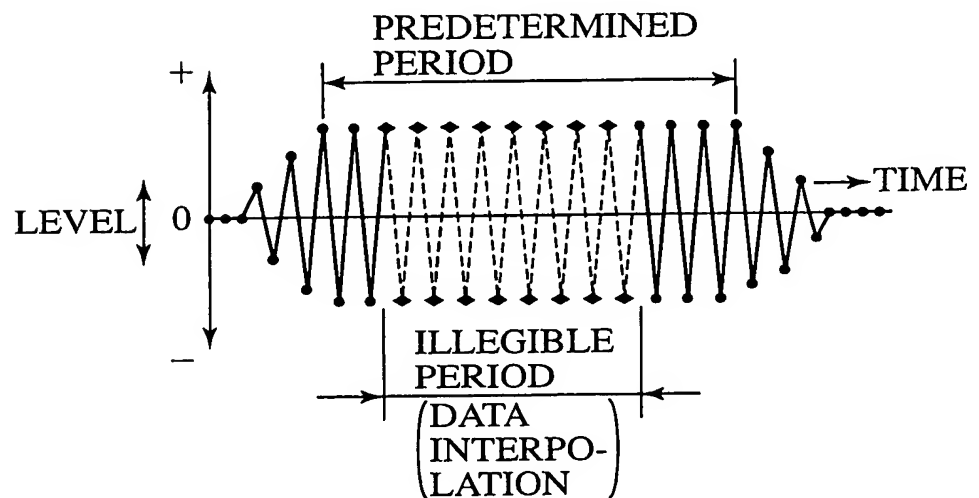


FIG.12A

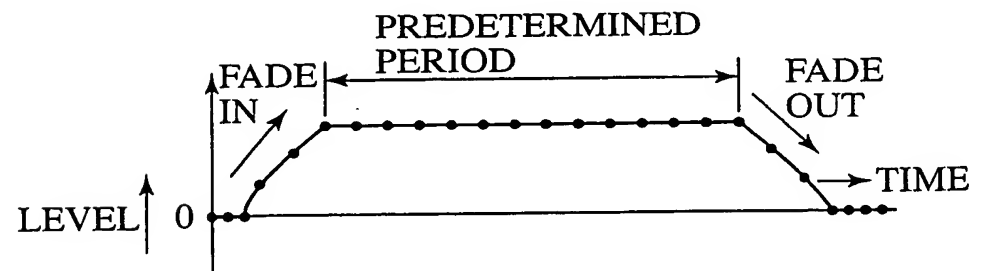
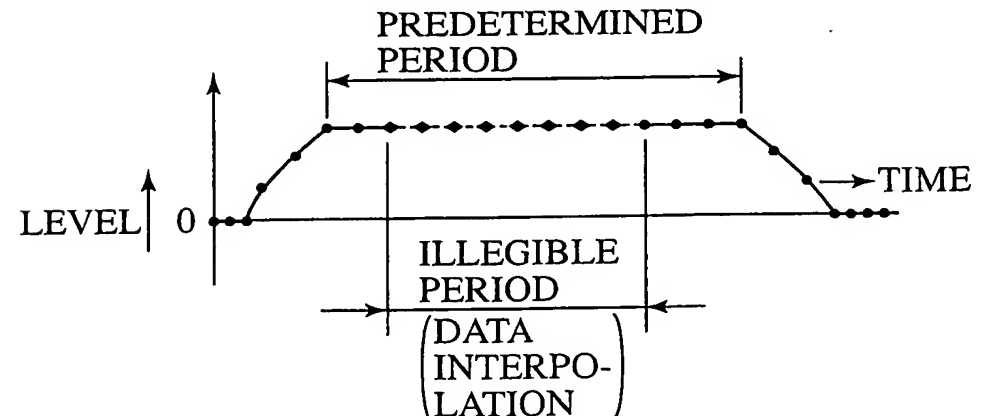


FIG.12B



12/22

FIG.13

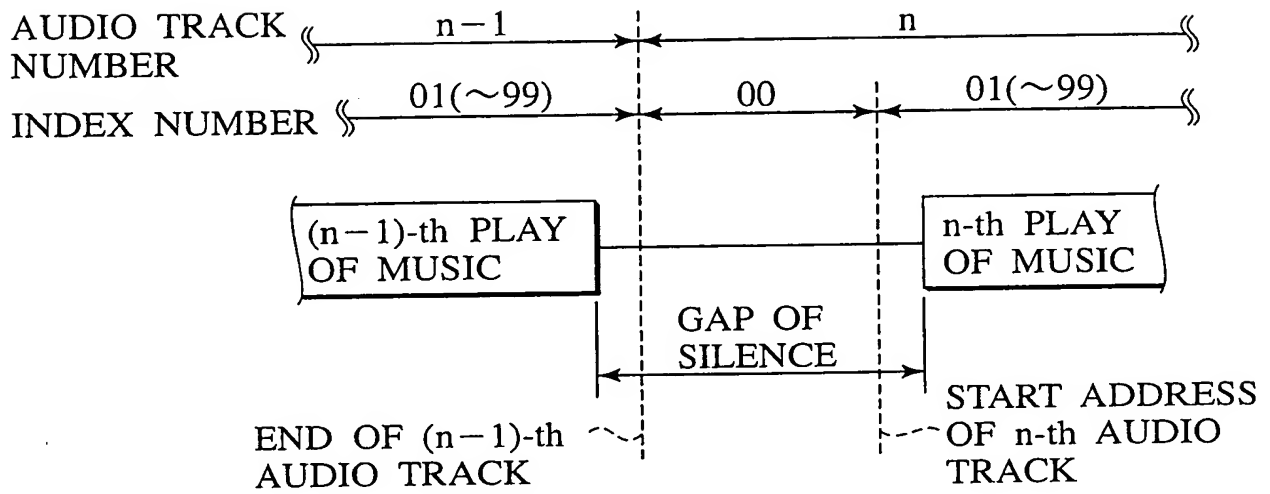
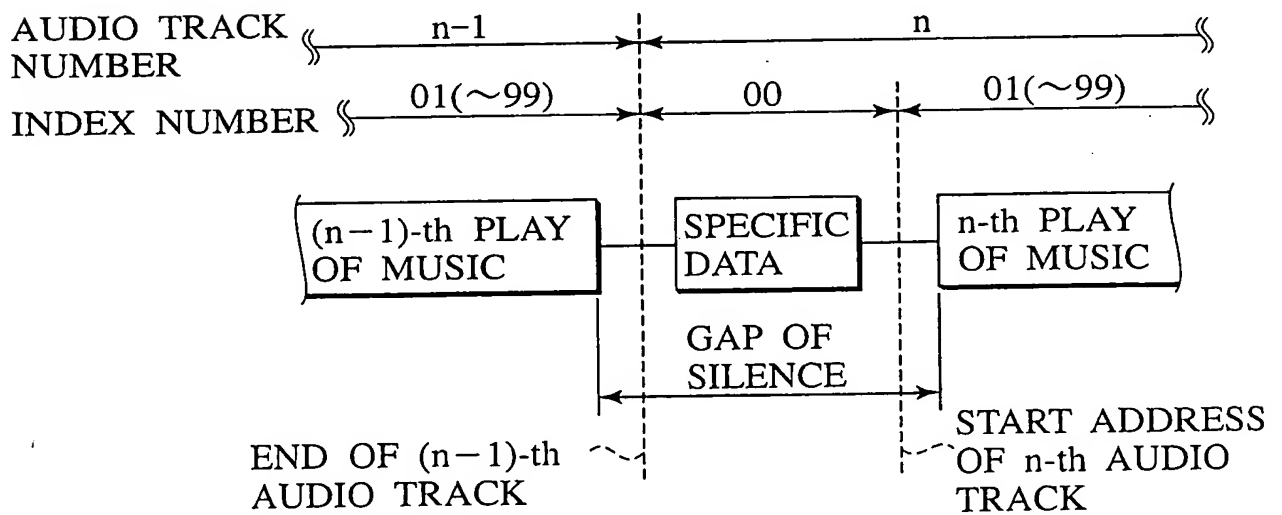


FIG.14



13/22

FIG.15

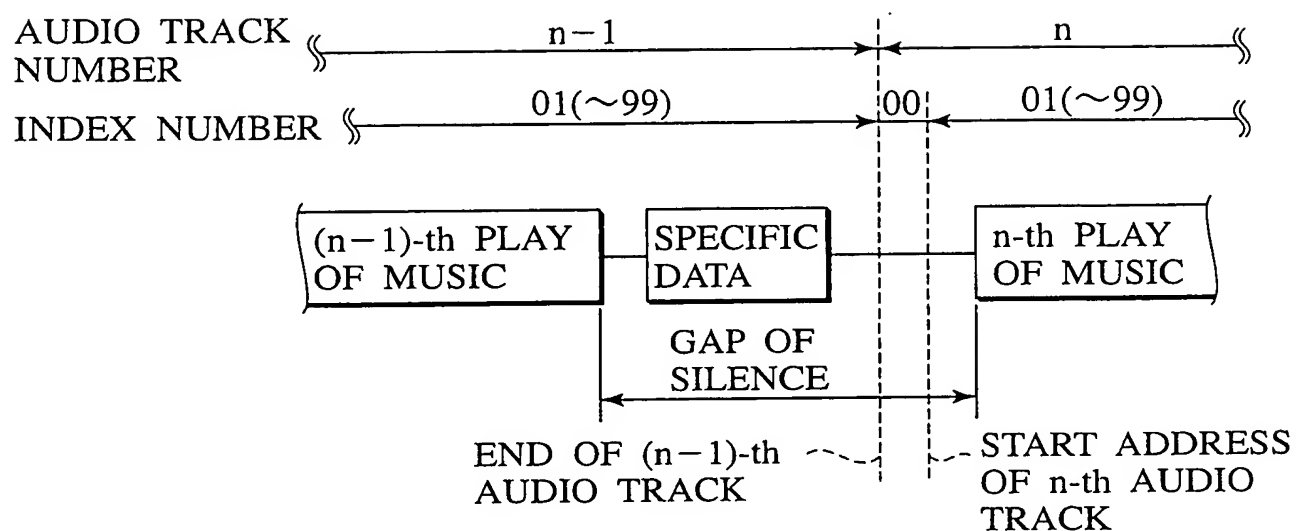
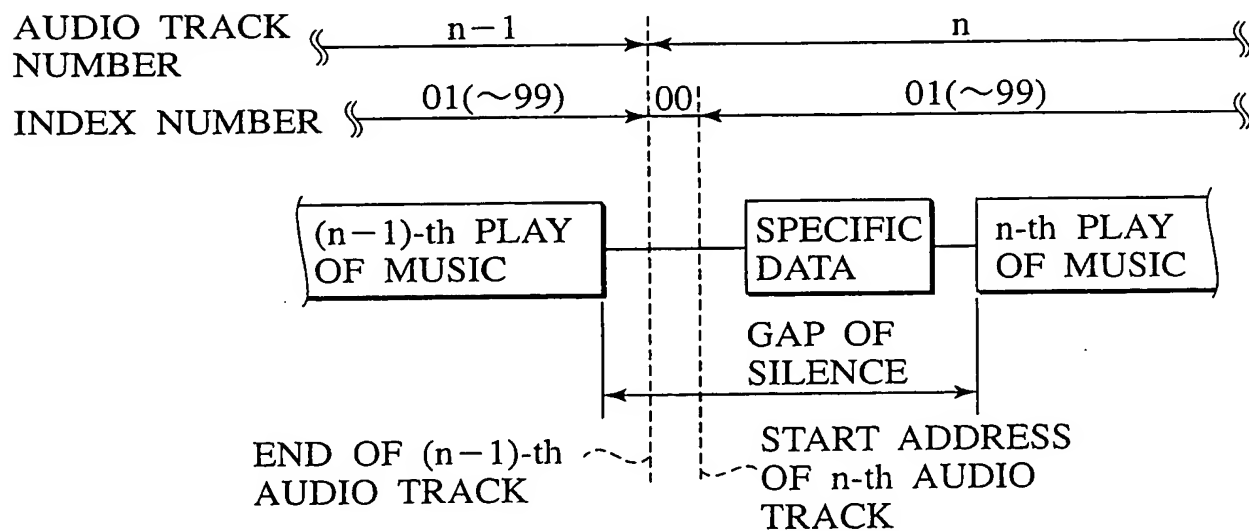


FIG.16



14/22

FIG.17

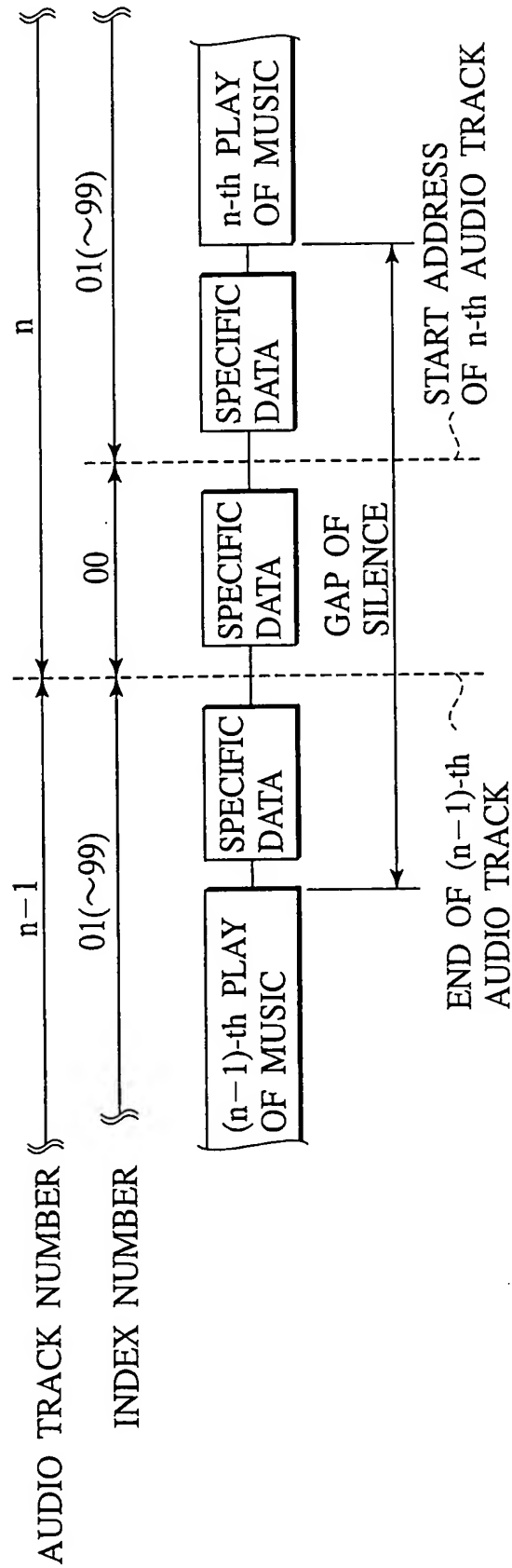
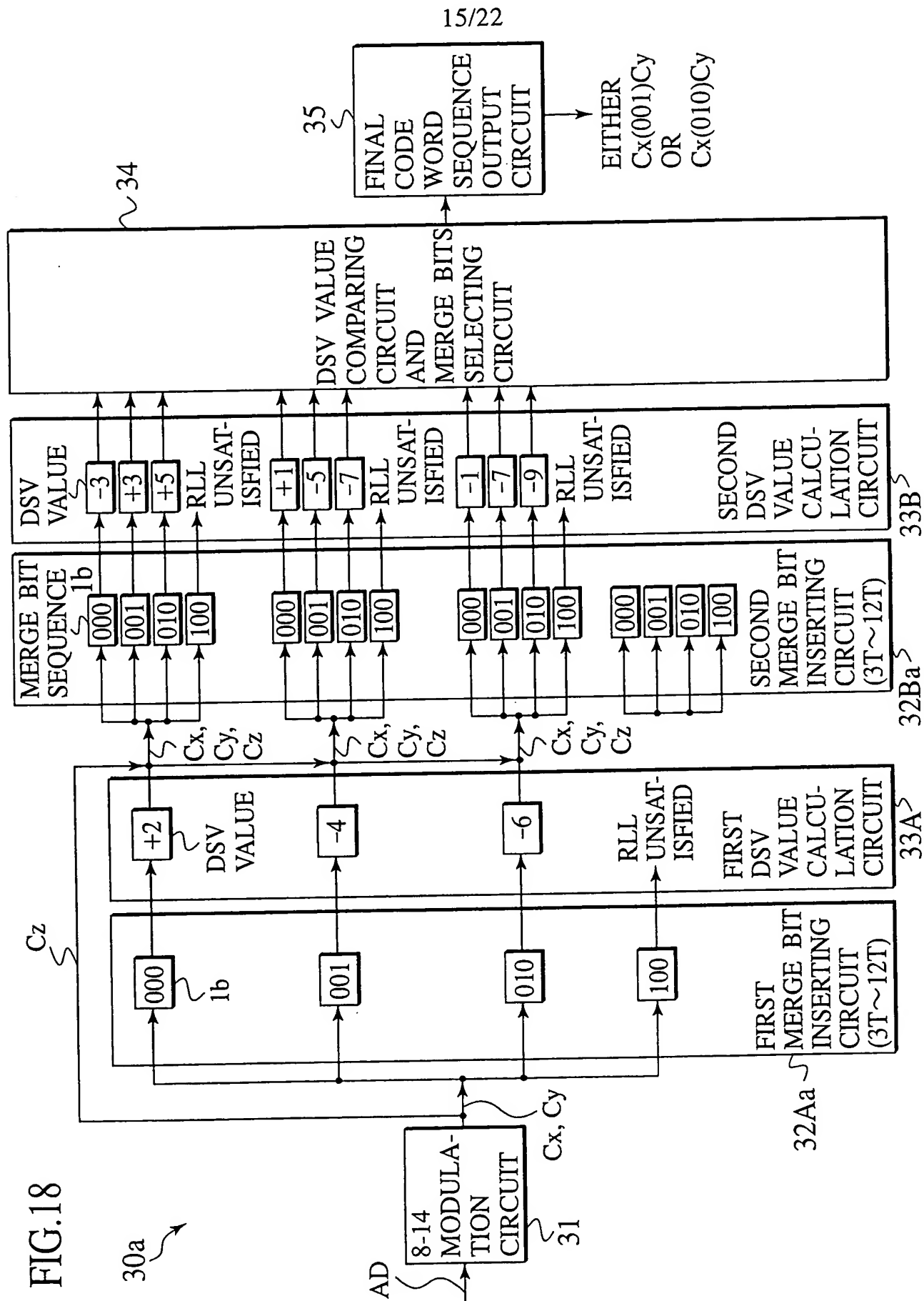
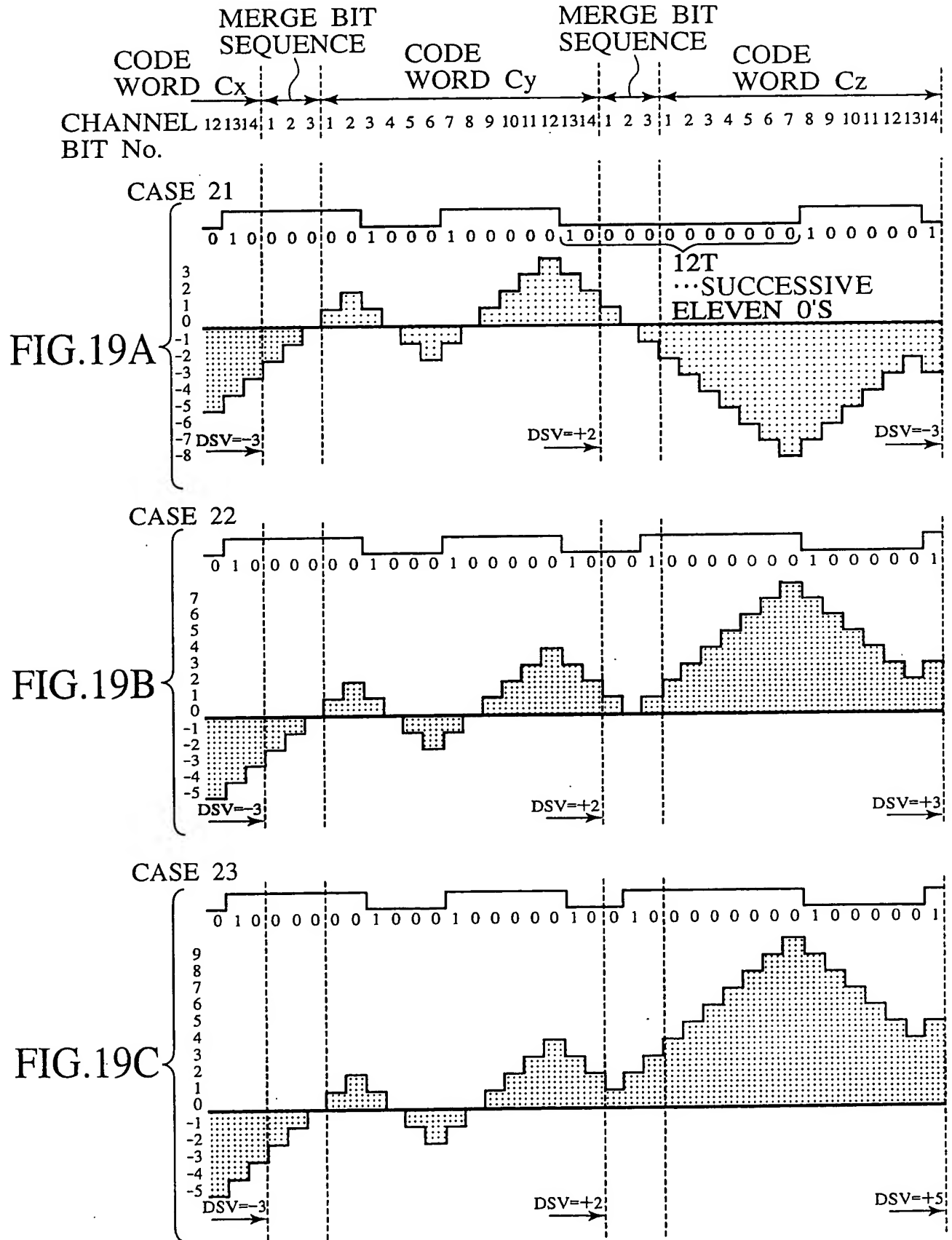


FIG. 18

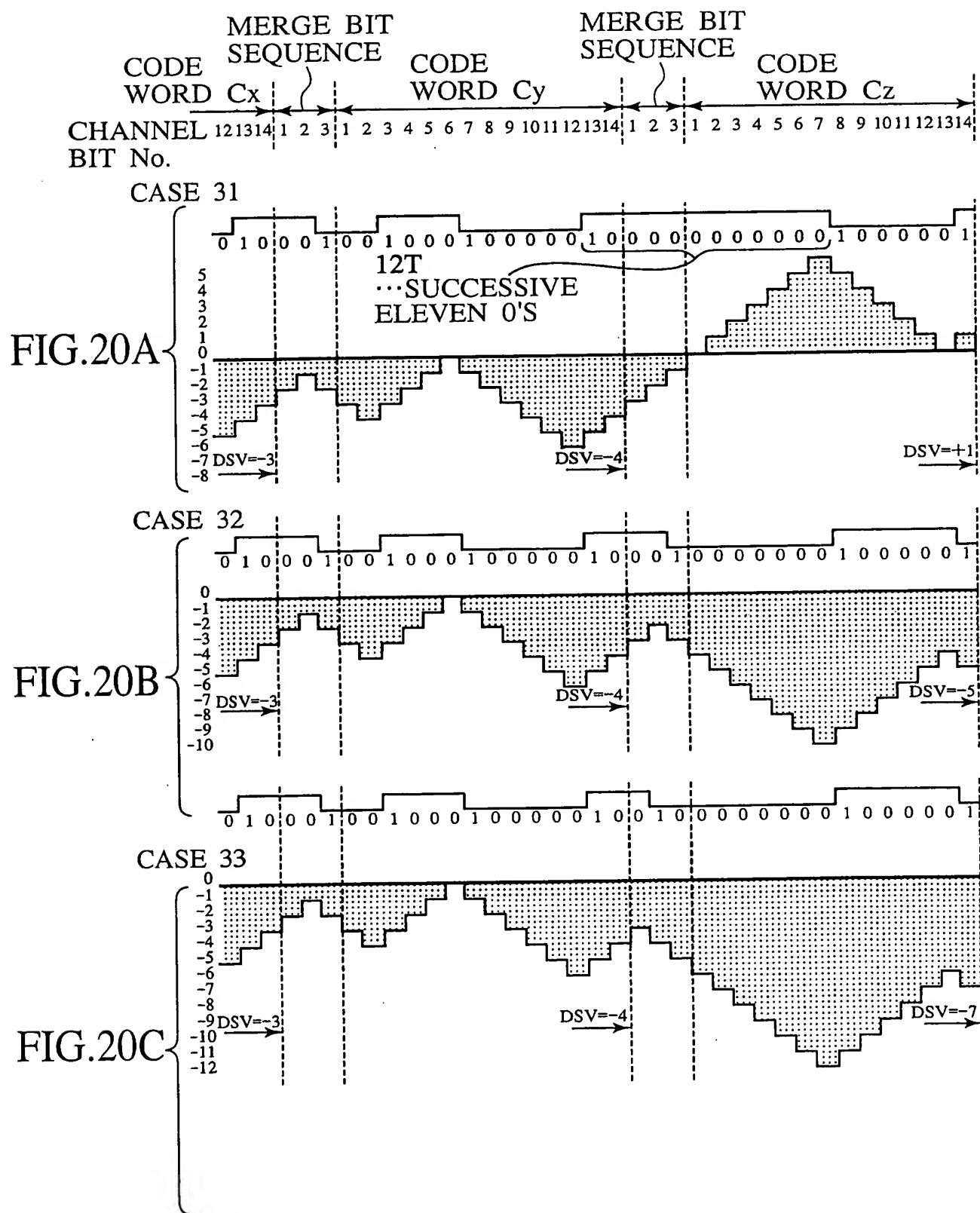


16/22





17/22



18/22

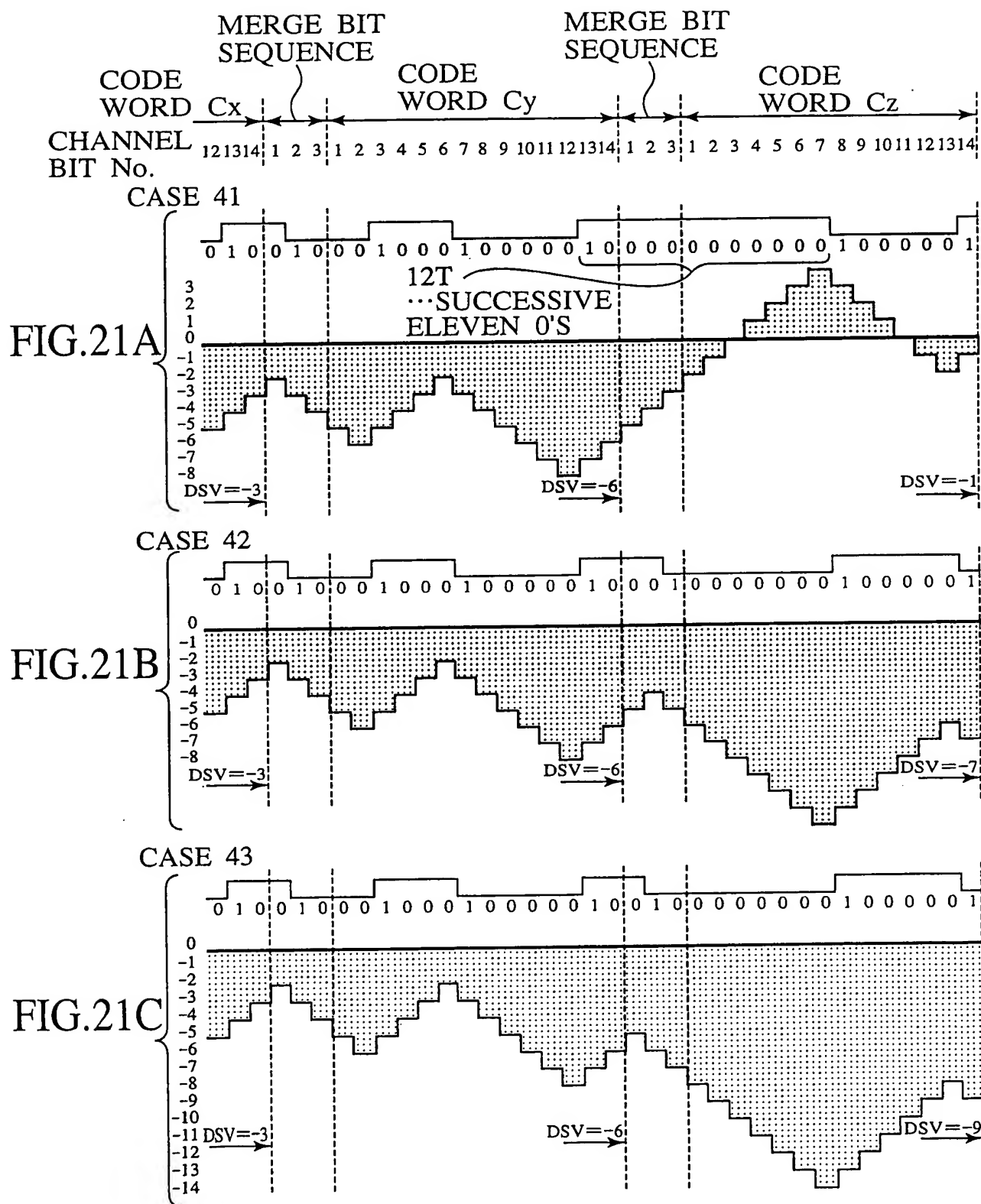
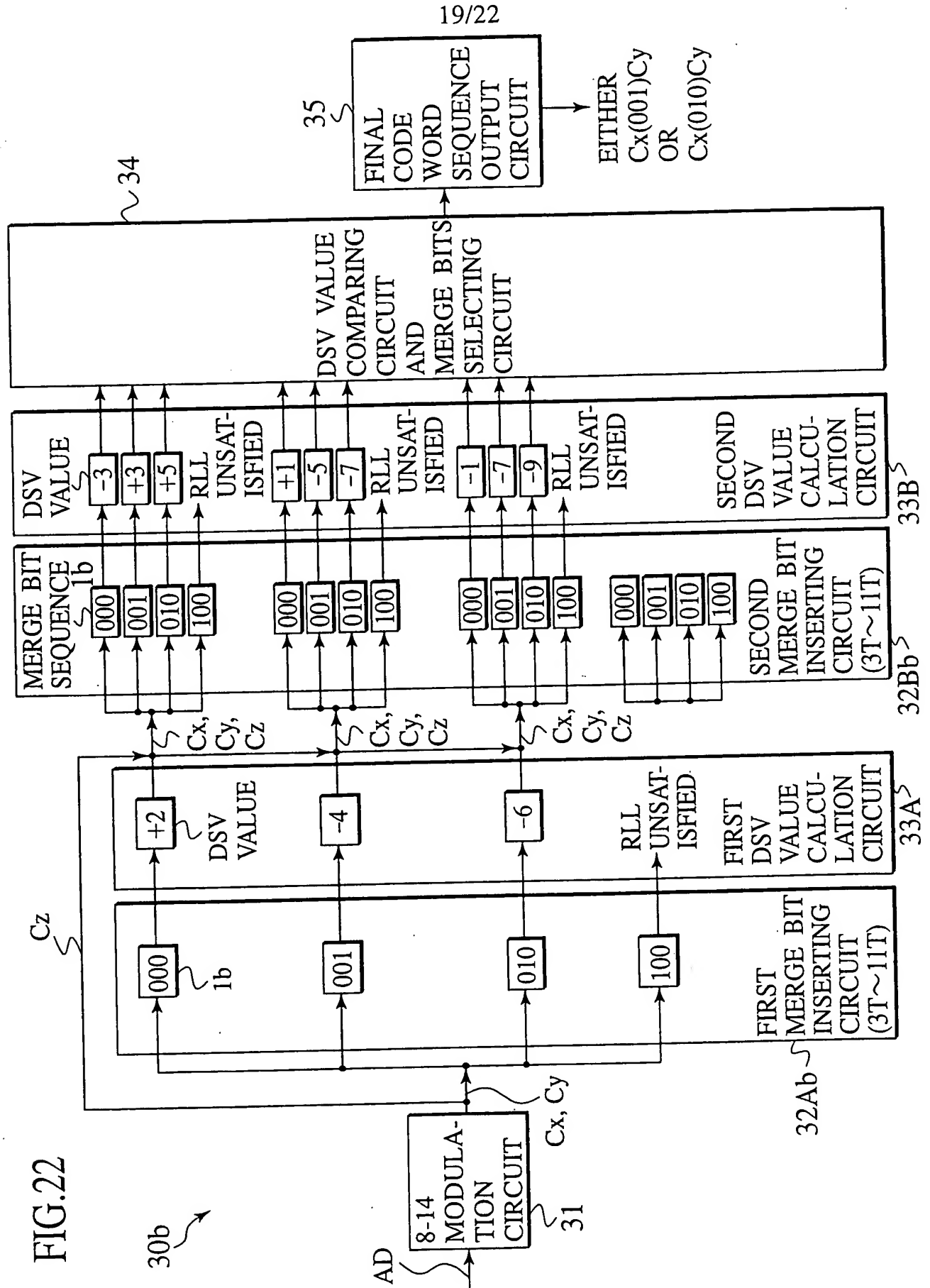


FIG. 22



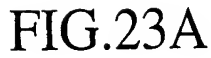
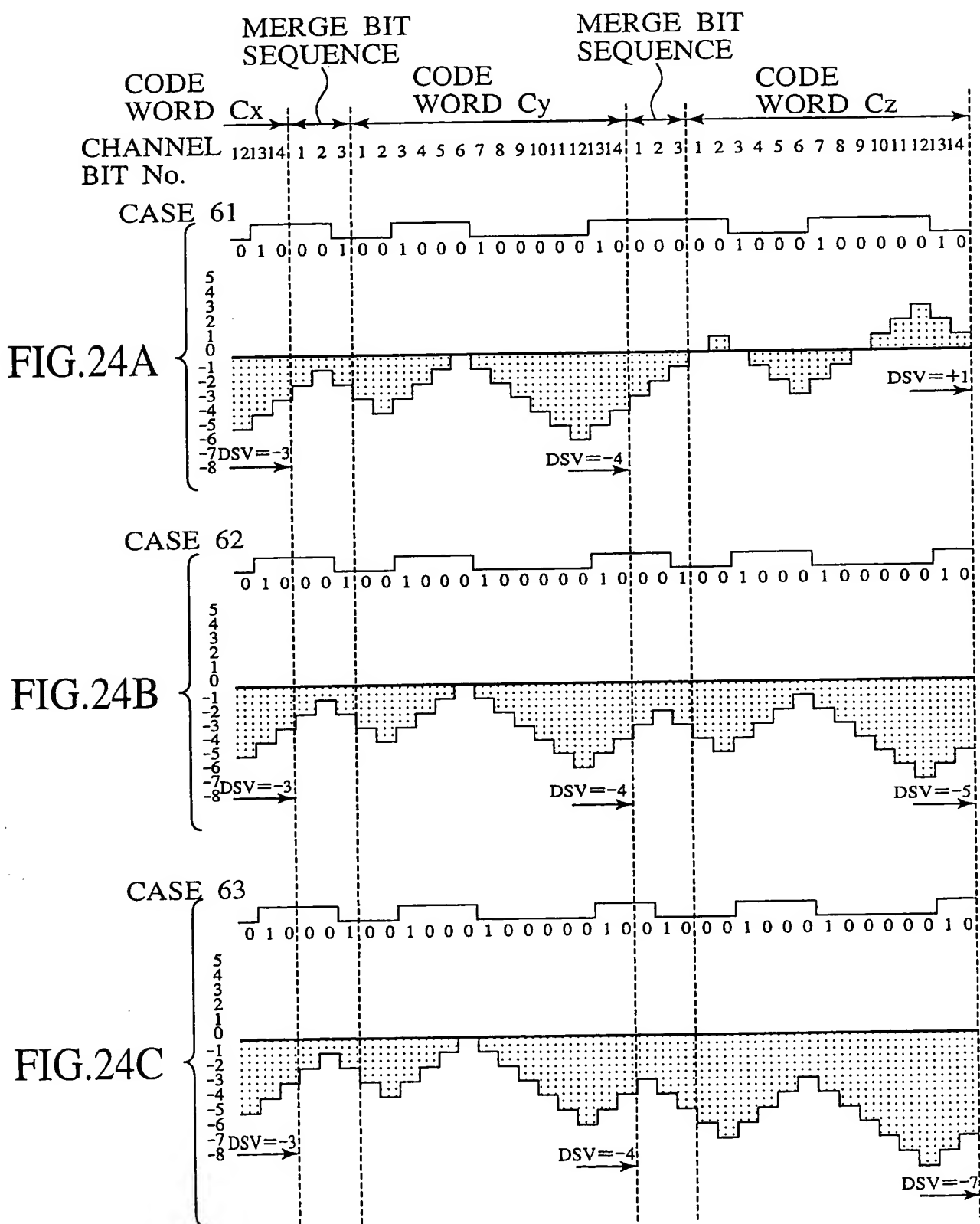


FIG. 23B

FIG. 23C

21/22



22/22

